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WHAT IS CLAIMED IS:

1. A pressure sensor device having a temperature sensor comprising:

a pressure sensor for detecting pressure of a measuring object;

a temperature sensor attached to a lead wire for detecting temperature of the measuring object;

a sensor casing for accommodating a connector pin and the pressure sensor, the connector pin electrically connecting the pressure sensor and an outside circuit;

a port mounted on the sensor casing and having a pressure introduction port for introducing the measuring object to the pressure sensor disposed in the sensor casing; and

a vibration reduction means for reducing a vibration of both the temperature sensor and the lead wire,

wherein the temperature sensor is disposed in the pressure introduction port, and electrically connects to the connector pin through the lead wire, and

wherein both the temperature sensor and the lead wire are supported by a connection portion, which is disposed between the connector pin and the lead wire.

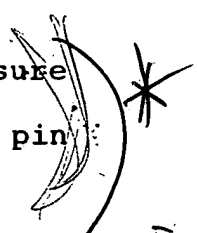
2. The pressure sensor device according to claim 1, wherein the vibration reduction means is provided by a buffer disposed between the lead wire and a part of the pressure introduction port.

JP5-340822  
See Fig 0016, 0019

JP6-65840

\*resin  
JP9-095415

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3. The pressure sensor device according to claim 2,  
wherein the pressure introduction port includes a partition plate for separating at least a part of the pressure introduction port into two parts, the partition plate being disposed along with an introducing direction of the measuring object, and

wherein one part of the pressure introduction port is a temperature sensor chamber for accommodating the temperature sensor.

4. The pressure sensor device according to claim 3,  
wherein the buffer is disposed between the lead wire and a part of the temperature sensor chamber.

5. The pressure sensor device according to claim 2,  
wherein the buffer is made of resin material disposed between the lead wire and a part of the pressure introduction port.

6. The pressure sensor device according to claim 5,  
wherein the resin material is hot melt adhesive.

7. The pressure sensor device according to claim 2,  
wherein the buffer is disposed between the lead wire and a part of the pressure introduction port, and is formed of elastic member for fixing the lead wire.

8. The pressure sensor device according to claim 2,  
wherein the port includes an introduction port for inserting

the buffer therethrough.

9. The pressure sensor device according to claim 1,  
wherein the vibration reduction means is provided such that  
at least one of the temperature sensor or the lead wire is  
insert-molded into the port so as to reduce the vibration.

10. The pressure sensor device according to claim 9,  
wherein both the sensor casing and the port provide a pressure  
chamber for introducing the measuring object therein, and  
wherein the lead wire and the connector pin are connected at  
a connection portion, which is disposed outside the pressure  
chamber.

11. The pressure sensor device according to claim 10,  
wherein the connection portion is covered with epoxy resin  
or silicon resin.

12. The pressure sensor device according to claim 1,  
wherein the vibration reduction means is provided by a  
protrusion disposed on a surface of the lead wire.

13. The pressure sensor device according to claim 1,  
wherein the vibration reduction means is provided such that  
the lead wire is fixed to the port by resin material thermally clamped  
between the lead wire and the port.

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14. The pressure sensor device according to claim 9,  
wherein the pressure introduction port includes a partition  
plate for separating at least a part of the pressure introduction  
port into two part, the partition plate being disposed along with  
an introducing direction of the measuring object, and

wherein one part of the pressure introduction port is a  
temperature sensor chamber for accommodating the temperature  
sensor.

15. A pressure sensor device having a temperature sensor  
comprising:

a pressure sensor;

a temperature sensor attached to a lead wire;

a casing for accommodating the pressure sensor and a connector  
pin for connecting both the pressure sensor and the temperature  
sensor to an outside circuit;

a passage disposed in the casing for introducing a measuring  
object to the pressure sensor; and

a vibration reduction means for reducing a vibration of the  
lead wire with the temperature sensor,

wherein the lead wire is supported by a connection portion  
between the connector pin and the lead wire so that the lead wire  
is protruded in the passage.

16. The pressure sensor device according to claim 15,  
wherein the vibration reduction means is provided by a buffer  
disposed between the lead wire and a part of the passage.

17. The pressure sensor device according to claim 16,  
wherein the passage is divided by a partition into two regions,  
wherein one region of the passage is a pressure introduction  
passage for introducing the measuring object to the pressure sensor,  
wherein the other region of the passage is a temperature sensor  
chamber for accommodating the temperature sensor, and  
wherein the buffer is disposed in the temperature sensor  
chamber.

18. The pressure sensor device according to claim 17,  
wherein the buffer completely closes the temperature sensor  
chamber.

19. The pressure sensor device according to claim 17,  
wherein the buffer partially closes the temperature sensor  
chamber so that the measuring object passes through the buffer.

20. The pressure sensor device according to claim 16,  
wherein the buffer is made of resin material, and  
wherein the casing further includes an introduction port for  
introducing the resin material in case of forming the buffer.

21. The pressure sensor device according to claim 20,  
wherein the resin material is hot melt adhesive.

22. The pressure sensor device according to claim 16,  
wherein the buffer is formed of a ball-shaped elastic member,

and

wherein the casing further includes an introduction port for inserting the elastic member in case of forming the buffer.

23. The pressure sensor device according to claim 15,  
wherein the vibration reduction means is provided such that at least one of the temperature sensor or the lead wire is insert-molded into the casing so as to reduce the vibration.